

27232

24 6200

Z/032/61/011/010/002/007  
E197/E135

AUTHORS: Kunc, J. Engineer, and  
Placák, V. Docent, Doctor of Engineering

TITLE: Bending stresses and strains of shells

PERIODICAL: Strojírenství, Vol. 11, No. 10, 1961, pp. 731-746

TEXT: The article is a continuation of previous work published in Strojírenství No. 9, 1961, pp. 651-668, and deals with stresses and strains of thin shells of various shapes due to bending moments. Both the design and the actual assembly of a shell will normally cause departure from ideal conditions and the bending moments so induced will cause either local or overall stresses and strains, which may be many times greater than those due to other forces or loads. In applying the general theory to shells of specific shapes the authors consider a small element, assume the element to be part of a rotational symmetric body stressed in a rotational symmetric fashion, and derive the three conditions for the equilibrium of forces and moments in the three directions in space. Assuming further a linear distribution of stress across the wall thickness and a uniform wall thickness for

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Bending stresses and strains of ... E197/E135

the whole shell, as well as a linear dependence of deformation on stress, the authors derive 5 conditions from the geometry of deformations and 4 from the elastic properties of the material. There are altogether 12 equations for 12 unknowns, which were solved and tabulated to give the stresses in axial and circumferential direction; the elongation of radii and several angles of rotation for the following shapes: spherical shell, cone, truncated cone, tall vertical cylinder, short vertical cylinder, and long horizontal cylinder, in each case for a number of boundary conditions. There are approximately 200 formulae in all. There are 4 figures and 4 references: 1 Soviet-bloc and 3 non-Soviet-bloc. The English language reference reads: Ref.3: S Timosenko. Theory of Plates and Shells. McGraw-Hill Book Co New York 1936.

ASSOCIATION: Vyzkumný ústav Kralovopolské strojírny, Praha  
(Research Institute of the Kralovo Pole Engineering Works, Prague)

Card 2/2

PLACEK, Frantisek

A truck has been purchased recently. (approximately 10  
months ago).

1. Mikovice u Jevišova, Czechoslovakia, ready, waiting.

PLACAK, V., doc., dr. ing.

Elastic stability of chemical apparatus. Magy ker lap 19  
no. 83-88 F '64.

1. Kralovopolske nejvyse kvalitativne, Praha.

107000

24291

Z/032/61/011/009/001/009  
E073/E535

AUTHORS: Kunc, J., Engineer and Placák, V., Docent Engineer  
Doctor

TITLE: Stresses and strains in a shell in the membrane state

PERIODICAL: Strojírenství, 1961, Vol. 11, No. 9, pp. 651-668

TEXT: Almost half of all the equipment produced by the chemical engineering industry consists of shells made up from combinations of geometrical shapes, e.g. cylinders, cones, spheres etc. The shells are vessels and tubes of large diameters, mostly fabricated by welding from sheet of various thickness and of various materials. Reliable design cannot be obtained applying empirical or simple formulae and it is necessary to apply methods of calculation which are based on the well proved theory of shells. The authors limit themselves to strength calculations of shells which are most frequently used in chemical engineering, i.e. shells of constant thickness which are rotationally symmetrical, both in shape and load. The calculations are based on the following assumptions: a) normal stresses in the direction of the z-axis are negligibly small compared to the stresses in

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Stresses and strains in a shell . . .

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Z/032/61/011/009/001/009  
E073/E535

the direction of the x and y-axes; b) points which prior to deformation are located on the normal of the central area will be located after deformation on the normal of the deformed central area. Seven equations are derived which determine the relations between all the components of the internal forces, deformations and displacement of the individual points. These are based on: 1) the conditions of equilibrium; 2) the conditions of deformation (geometric and elastostatic). The derived general conditions are then applied for solving various problems of loading of shells of the main geometrical shapes which occur in chemical engineering. The results are summarized in the form of tables, where the membrane forces and the strain values are given for practical calculations. The tables (12 printed pages) contain sketches and formulae for shells of various shapes and various loading conditions, including the following: hemispherical, supported or suspended (closed or open), spherical with internal pressure, spherical with external pressure, spherical with hydrostatic loading; triangular under various conditions of loading and supporting and cylindrical. There are 6 figures.

Card 2/3

Stresses and strains in a shell ... 24291  
Z/032/61/011/009/001/009  
E073/E535

6 tables and 4 references: 1 Soviet and 3 non-Soviet. The one reference to an English language publication reads as follows:  
S. Timoshenko, S.: Theory of Plates and Shells, McGraw-Hill Book Comp., New York 1936.

ASSOCIATION: Výzkumný ústav Královopolské strojírny, Praha  
(Research Institute of the Králove Pole Engineering Works, Prague)

Card 3/3

BLACK, W.; WHITE, R.

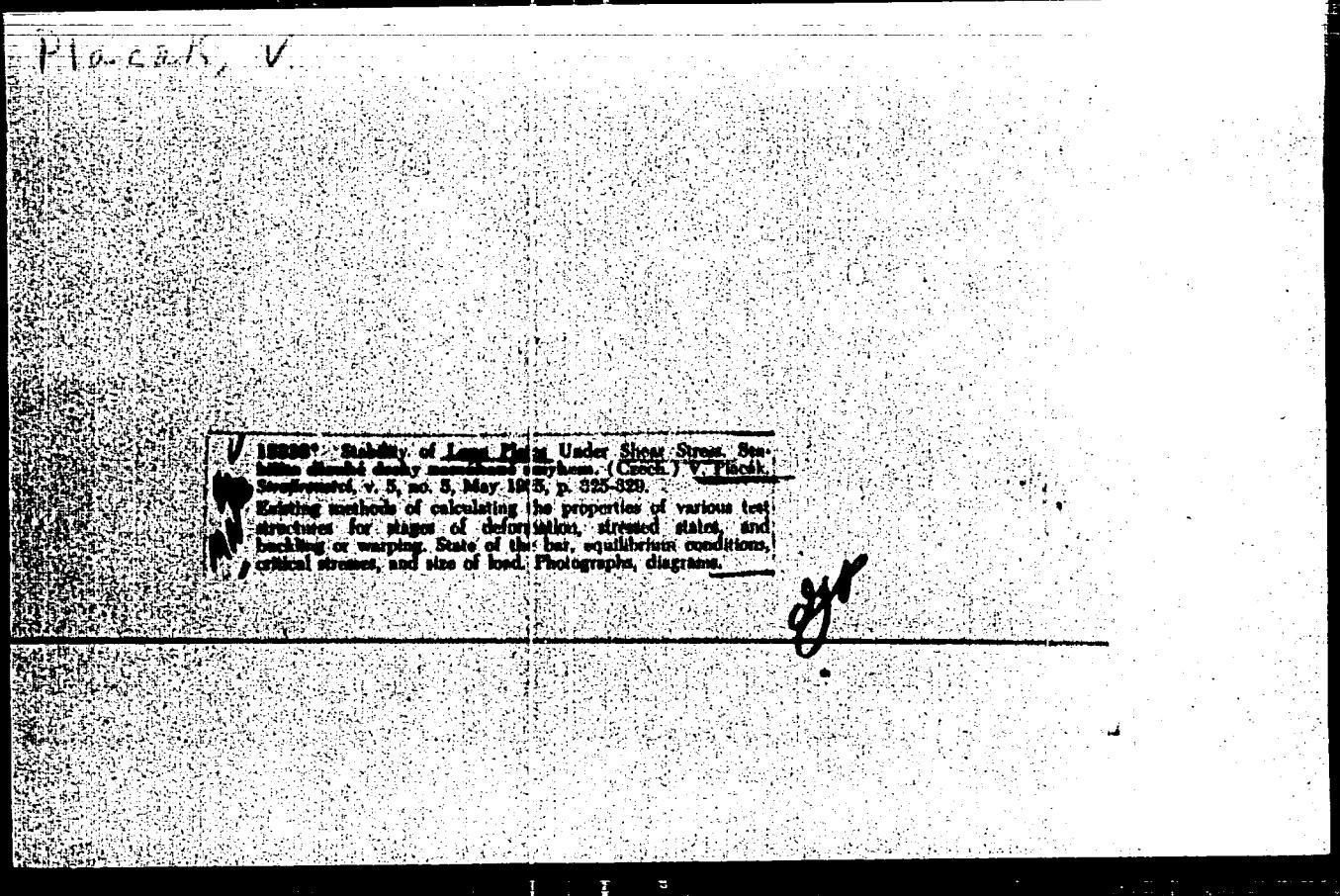
calculating strength of the system. In a regional meeting in  
Paris in 1971, Ministry of Defense, Paris, France, 1971.

Soviet and European Jones (Soviet, French, German, British)

PLAČÁK, V.

✓ 2003. Stresses in Reinforced Sheet or Plate. Naučnáho  
výzkumných ústavů. (Czech.) V. Plačák. Strojírenství, v. 5, no.  
4, Sept. 1955, p. 143-151.  
*MH* Calculation of bending and torsion stresses in infinitely long  
plates strengthened by variously shaped ribs or braces. Equa-  
tions for internal and external deformation work and forces.  
Critical shear stress. Diagrams, photographs. 18 ref.

*YF82*



PLACAK, V., doc., inz., dr.

"Calculation of pressure vessel strength" by J. Nemec.  
Reviewed by V. Placak. Strojirenstvi 13 no.3:238 Mr '63.

PLACASEVA, T.  
STANKOVIC, D.; RAMADANOVIC, D.; PLACASEVA, T.

Effect of vitamin C on physical work in hot environment, I. Vitamin C level in blood in workers exposed to heat. Arh. hig. rada 5 no. 2:185-192 1954.

1. Higijenski zavod, Sarajevo, Radnja primljena 16.III.1954.  
(VITAMIN C, in blood  
in workers exposed to heat)  
(HEAT, eff.  
on vitamin c in blood in workers exposed to heat)  
(BLOOD  
vitamin C, in workers exposed to heat)

PLACEV, E.

Effect of the loss of Na and Cl on the intracocular pressure in rats (E. Placev)  
(Ceskoslovenska Fyziologie, Vol. 6, No. 2, 1951, Praha, Czechoslovakia)

SC: Monthly List of East European Accesions (Prague, Nov. 1950, No. 1, pp. 1-100)

JACKOWSKI, Tadeusz; PLACEK, Jadwiga

Spinning conditions and the hairiness of yarn. Przegl wlokiem 16  
no.12:614-618 D '62.

PLACEK, Jan; BRADA, inz.

Rubber gloves averted an accident. Elektrotechnik 18 no.6:177  
Je '63.

1. Elektrodrzbar, Svit, n.p., Gottwaldov (for Placek).
2. Ustav technického dozoru, Praha (for Brada).

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001341

— 1 —

At approximately 10:00 a.m., the defendant, John C. Gandy, was arrested at his home in the 1100 block of North 12th Street.

<sup>1</sup> See also the discussion of the relationship between the two concepts in the section on "The Concept of Social Capital."

APPROVED FOR RELEASE: Tuesday, August 01, 2000      CIA-RDP86-00513R0013411

PLACER, Z.

the phosphorus content of the soil was increased by the addition of the phosphorus solution. The phosphorus content was increased by 30% March 1. The use of an acid hydrolyzed animal protein substantially improved the method. L. J. U.

卷之三

CHECHOVSKY Human and Animal Physiology - Digestion.

127

Als Jour : Rec. Zhur - Biol., No 7, 1958, 31817

Author : V. Lec, V., Flauer, Z., et al., R.

Inst : -

Title : Protective Action of Gastric Mucus Against the Formation of Experimentally-Induced Ulcers of the Stomach. IV. Action of Sulfonated Amylose Against the Formation of Ulcers.

Orig Pub : Ceskoslov. gastroenterol. a vyziva, 1957, II, N 4, 19-24.

Abstract : Sulfonated amylose (I) in a dose of 12.5 mg introduced into the stomach of rats with a dressed pylorus for obtaining experimentally-induced ulcers by the Shay' method reduced damage of the mucosa of the stomach by 80%, but 25 mg of I completely prevented the appearance of ulcers. The introduction of I was not accompanied by toxic phenomena. The protective action of I was stronger than the action of nontoxic doses of atropine and natural gastric mucus.

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CZECHOSLOVAKIA/Human and Animal Physiology. Digestion  
The Stomach.

T-7

Abs Jour: Ref Zhur-Diol , № 12, 1958, 55729

Author : Vokac, V., Roubal, I., Placer, Z.  
Inst :

Title : The Prophylactic Effect of Gastric Mucosa Preventing  
the Emergence of Experimentally Induced Gastric  
Erosions. V. The Effect of Certain Sympathomimetic  
and Sympathoclitic Substances on Gastric Secretion.

Ori<sub>t</sub> Pub: Ceskosl. gastroenterol. a vyziva, 1957, 11, № 6,  
450-455.

Abstract: Large doses of adrenalin and ephedrine prevented the  
development of experimentally induced gastric er-  
sions, produced in rats by the method of Shay. These  
substances, however, not only caused an increase in  
the mucous secretion, but they also inhibited the

Card : 1/2

EXCERPTA MEDICA Sec 6 Vol 13/3 Internal Med. Mar 59

1734. THE ACTION OF GASTRIC MUCUS AND SOME SULPHONATED COMPOUNDS ON THE DEVELOPMENT OF EXPERIMENTAL GASTRIC ULCERS IN RATS - Plášek Z., Roubal Z. and Vokáč V. Inst. for Human Nutrit., Prague - REV. CZECH. MED. 1958, 4/2 (111-124) Graphs 2 Tables 3

The protective action of gastric mucus as a natural pepsin inhibitor in the development of experimental gastric ulceration evoked by the method of Shay et al. was investigated. The importance of ester-sulphate links in this inhibitory action was verified and the protective action of certain new synthetic pepsin inhibitors - sulphonated polysaccharide, glycoprotein and heteroside derivatives - was tested. Results: (1) The intragastric administration of a gastric mucus preparation made from hog's stomach mucosae significantly decreased the formation of gastric ulcers. The experimental results of increasing the gastric mucus secretion were equivocal. (2) The significance of pepsin and its inhibitors, particularly gastric mucus, in the development of ulcers was confirmed by experiments where the ester-sulphate groups of mucus were blocked by the basic protein, protamine, which led to a considerable increase of the total number of ulcers. (3) By artificially increasing the number of ester-sulphate groups in the mucus molecule by sulphonation, the inhibitory power of sulphonated mucus was increased and the number of ulcers in the gastric mucosa was decreased. (4) A number of artificial pepsin inhibitors was prepared by the sulphonation of polysaccharides, glycoproteins and heterosides, in experiments *in vitro* the greatest inhibitory power was exhibited by sulphonated amylose, further by sulphonated tannin and by heparin. (5) Sulphonated amylose, as an effective pepsin inhibitor in experiments where experimental ulcers were evoked by Shay's method, had a significant protective action and effectively prevented the formation of experimental gastric lesions. (6) Sulphonated amylose administered orally is not absorbed from the gastrointestinal tract, its LD<sub>50</sub> = 14,000 mg., it has no adverse secondary effects and its use in the therapy of peptic ulceration in man can be considered particularly in gastric ulcers and in gastritis accompanied by hyposecretion of gastric mucus. (V, 2, 6)

RATH, R.; SLOBODKOVÁ, Z.; FLAŠEK, Z. and others; supervisor: SPADLOVÁ, L.;  
MUNCLÍČEROVÁ, M.

Biochemical analysis. Results of the calculation of the total  
metabolism of the organism. Preparation of the material. Methodology.  
46-468 D

1. Unpublished manuscript. Prepared by the author. Master's  
Dissertation.

PLACER, Z.; SEDLACEK, B.; ROUBAL, Z.; SLABOCHOVA, Z.; HROMADKOVA, V.

The problem of fats from the biochemical viewpoint. Cesk. gastroenterol.  
vyz. 16 no.3/4:171-177 Ap '62.

1. Ustav pro vyzkum výživy lidu v Praze, reditel doc. MUDr. J. Masek,  
DrSc.

(NUTRITION) (ADIPOSE TISSUE) (LIPID METABOLISM)

VULTERINOVA, M.; DOHERSKY, P.; PIRK, F.; HRUBA, F.; SEGOVA, E.; BLAHNIKOVA, L.;  
SLABOCHOVA, Z.; PLACER, Z.

Changes of the nutritional status of gastrectomized patients, their  
diagnosis, prevention and therapy. Cesk. gastroent. vym. 16 no.3/4:  
258-265 Ap '62.

1. Ustav pro vyzkum vyzivy lidu v Praze, reditel doc. MUDr. J. Masek,  
DrSc.

(GASTRECTOMY) (NUTRITION DISORDERS)

CESKOSLOVAKIA

PLACER, Z.

Institute of Human Research (Ustav pro využití vysivých lidí), Prague

Brno, Ústřední lehárna, No 6, 1963, ... 541-546

"Activation in Biochemistry from the Viewpoint of the Role Played by Enzymes."

PLACER, Z.; RATH, R.; SLABOCHOVA, Z.; technicka spoluprace HRADILLOVA, L.

Body water space. I. Determination of extracellular fluids with the aid of rhodanide (NaSCN). Cesk. gastroent. 16 no.1:35-40 Ja '62.

I. Ustav pro vyzkum vyzivy lidu, Praha, red. doc. MUDr. J. Masek, DrSc.  
(THIOCYANATES) (BODY FLUIDS)

PLACER, Z.; SLABOCHOVA, Z.; MASEK, J.; technicka spoluprace: HRADILLOVA, L.;  
ROUCKOVA, O.

On adipose tissues. III. Composition of 3 types of adipose tissue in  
rats fed diets with various food contents after fasting. Cesk.  
gastroent. vyz. 15 no. 3:197-202 My '61.

1. Ustav pro vyzkum vyzivy lidu, Praha, reditel. doc. MUDr. Josef  
Masek.

(ADIPOSE TISSUE chem) (DIETS exper)  
(FASTING exper)

VULTERNOVA, M.; DOBERSKY, P.; PIRK, F.; HRUBA, F.; SIGGOVA, E.; BLAHNIKOVA, L.; SLABOCHOVA, Z.; PLACER, Z.

Changes in the nutritional state of patients after gastrectomy; diagnosis, prevention and therapy. Rev. czech. med. 8 no.4:275-284 1986.

1. Institute of Human Nutrition, Prague; Director: Prof. J. Masek, M.D.  
(POSTGASTRECTOMY SYNDROMES)

PLACER, Z.; SLABOCHOVA, Z.; FABRY, P.; HAVLOVA, M.; MASEK, J.; technicka  
spoluprace ROUCKOVA, O.; HRADILLOVA, L.

On adipose tissues. IV. Composition of 3 types of adipose tissues in  
rats after prolonged feeding diets with various food contents. Cesk.  
gastroent. vyz. 15 no.3:203-208 My '61.

1. Ustav pro vyzkum vyzivy lidu v Praze, reditel doc. MUDr. Josef Masek.  
(ADIPOSE TISSUE chem) (DIETS exper)

SLABOHOVA, Z.; FUCHS, R.; KLEIBER, ...; MAJER, J.

Effect of D-toglutam in the treatment of obesity. Cas. Lek. Cesk. 1964, 123, 171458-62 Apr 24 '64.

I. Ustav pro výzkum výroby lidu, Brno. Dr. med. prof. dr. J. Mašek, M. Sc., .

MASEK, Josef; SLABOCHOVA, Zdenka; PLACER, Zdenek

Some aspects of fat diets in the metabolism of normal and obese subjects. Cas. lek. cesk. 101 no.32/33:977-980 17 Ag '62.

1. Ustav pro vyzkum vyzivy lidu, Praha, reditel prof. dr. J. Masek,  
DrSc.

(LIPIDS) (NUTRITION) (LIPID METABOLISM;  
(OBESITY)

RATH, R.; SLABOCHOVA, Z.; PLACER, Z.

Metabolic studies in obesity. V. Effect of adrenalin in normal weight and obese subjects. Cesk. gastroent. vyz. 17 no.7: L 2-429 N°63

1. Ustav pro výzkum výživy lidu v Praze; ředitel prof. dr. J. Masek, DrSc.

SLABOCHOVA, Z.; MASEK, J.; PLACER, Z.; RATH, R.

Contribution to metabolic studies in obese subjects. Bratisl. Lek.  
Listy 42 no. 7: 402-408 '62.

1. Z Ustavu pro výzkum výživy lidu v Praze, reditel doc. MUDr.  
J. Masek, Dr.Sc.  
(OBESITY) (LIPID METABOLISM)

(4)

SLABOCHOVÁ, Z; MAŠEK, J., MUDr. Dr. Sc.; PLACER, Z;  
RATH, R.

Czechoslovakia

Research Institute for Human Nutrition -- Prague  
(Ustav pro výzkum výživy lidu -- Praha);  
Director: M. MAŠEK, Docent MUDr Dr. Sc.

Bratislava, Bratislavské lekárske listy, No 7,  
1962, pp 402-407

"Contribution to the Study of the Metabolism  
of the Obese."

(4)

SLABOCHOVA, Z.; RATH, R.; PLACER, Z.

Metabolic studies in obesity. V. Blood sugar curve after 2 glucose loads. Cesk. gastroent. vyz. 17 no.1:37-41 Ja '63.

1. Ustav pro vyzkum vyzivy lidu v Praze, reditel prof. dr.  
J. Masek, DrSc.  
(OBESITY) (GLUCOSE TOLERANCE TEST)  
(INSULIN) (AGING)

KRONDL, A.; VAVRINKOVA, H.; MICHALEC, C.; VOKAC, V.; PLACE, Z.; SKALA, I.

Digestion and absorption of fats. *Cesk. gastroenter. vyz.* 16 no. 3/4;  
191-196 Apr '62.

1. Ustav pro vyzkum lidu v Praze, reditel doc. MUDr. J. Marek, DrSc.  
(BILF) (GLYCERIDES) (CHLORTETACYCLINE)  
(NEOMYCIN) (DIGESTION) (LIPID METABOLISM)

SLABOCHOVÁ, Z; MÁŠEK, J., MUDr. Dr. Sc.; PLACER, Z;  
RATH, R.

Czechoslovakia

Research Institute for Human Nutrition -- Prague  
(Ústav pro výzkum výživy lidu -- Praha);  
Director: M. MÁŠEK, Docent MUDr Dr. Sc.

Bratislava, Bratislavské lekárske listy, No 7,  
1962, pp 402-407

"Contribution to the Study of the Metabolism  
of the Obese."

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001341

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001341

PETRASEK, K. (Praha-Krc, Budejovicka 800); PLACER, Z.

The effect of 2,2-bis-(p-chloroethyl)-1,1,-trichloroethane (DDT) on the lipid metabolism. Česk. hyg. 10 r. 31:183-188 May '65.

• Tiskový pr. výzkum vyzkoušený 11. 6. 1965, Praha.

PLACER,Z.; VESELKOVA,A.; PETRASEK,R.

Interaction of antioxidants in biochemical processes. Cesk. hyg.  
10 no.3:260-264 My '65

1. Ustav pro vyzkum vyzivy lidi, Praha.2. Z.Placer's address:  
Praha-Krc, Budejovicka 800.

SLABOCHOVA, Z.; PLACER, Z.; MASEK, J.

Research of obesity in the Czechoslovak Socialist Republic. (Some recent findings). Rev.Czech.M. ? no.1:41-48 '61.

1. Institute for Human Nutrition, Prague. Directr: Doc.J.Masek.  
(OBESITY statist)

PLACER, Z.; SLABOCHOVA, Z.; NOVAK, M.

Postheparin esterase activity of human serum. IV. Cas.lek.cesk 100  
no.15:449-454 14 Ap '61.

1. Ustav pro vyzkum vyzivy lidu v Praze, reditel doc. dr. J. Masek.

(ESTERASES blood) (HEPARIN pharmacol)

EXCERPTA MEDICA SEC 6 VOL 13/10 Internat Med. 1958, 12, 2.

1840. THE EXCRETION OF AMINO-ACIDS DURING HEPATIC INSUFFICIENCY -  
Vylučování aminokyselin moči při jaterní insuficienci - Pešek A., V...  
Plácer Z. and Švarcka F. Vnitřní Obj. a Nemožnosti. Československá  
Lékařská pro Výzkum Vesiky Lido Praha - ČSL. GASTROENTER. VYZ 1958, 12, 2  
(146-152) Graphs 2 Tables 2

Of a total number of 23 patients with advanced hepatic insufficiency, amino-acid excretion was followed up to the lethal stage in 10. It was revealed that hyperaminoaciduria is not a direct indicator of the degree of damage of the liver cells because in some patients with diffuse degenerative liver changes hyperaminoacid-

uria did not occur even during coma. Therefore the current opinion that hyperaminoaciduria is due to the loss of desamination function of the liver cells has to be revised. Pathogenetic conditions connected with protein catabolism as a cause of hyperaminoaciduria and hepatic insufficiency are discussed.

PLACER, Z.; RONAL, Z.

Effect of mucoproteins on esterolysis in the blood serum. Česk. fysiol.  
7 no.4:768-770 July 58.

1. Ustav pro výzkum výzivy lidu, Výzkumný ustav pro farmacie a biochemii,  
Praha.

(ESTERASES, in blood,  
eff. of mucoproteins (Cz))  
(PROTEINS, effects,  
on blood esterolysis (Cz))

PLACER, Z.; KUBAL, Z.; VOKAC, V.

Effect of the liver on biosynthesis of serum mucoproteins. *Cesk. fysiol.*  
7 no.4:370-371 July 58.

1. Ustav pro výzkum výzivy lidu, Výzkumný ustav pro farmacii a biochemii,  
Praha.

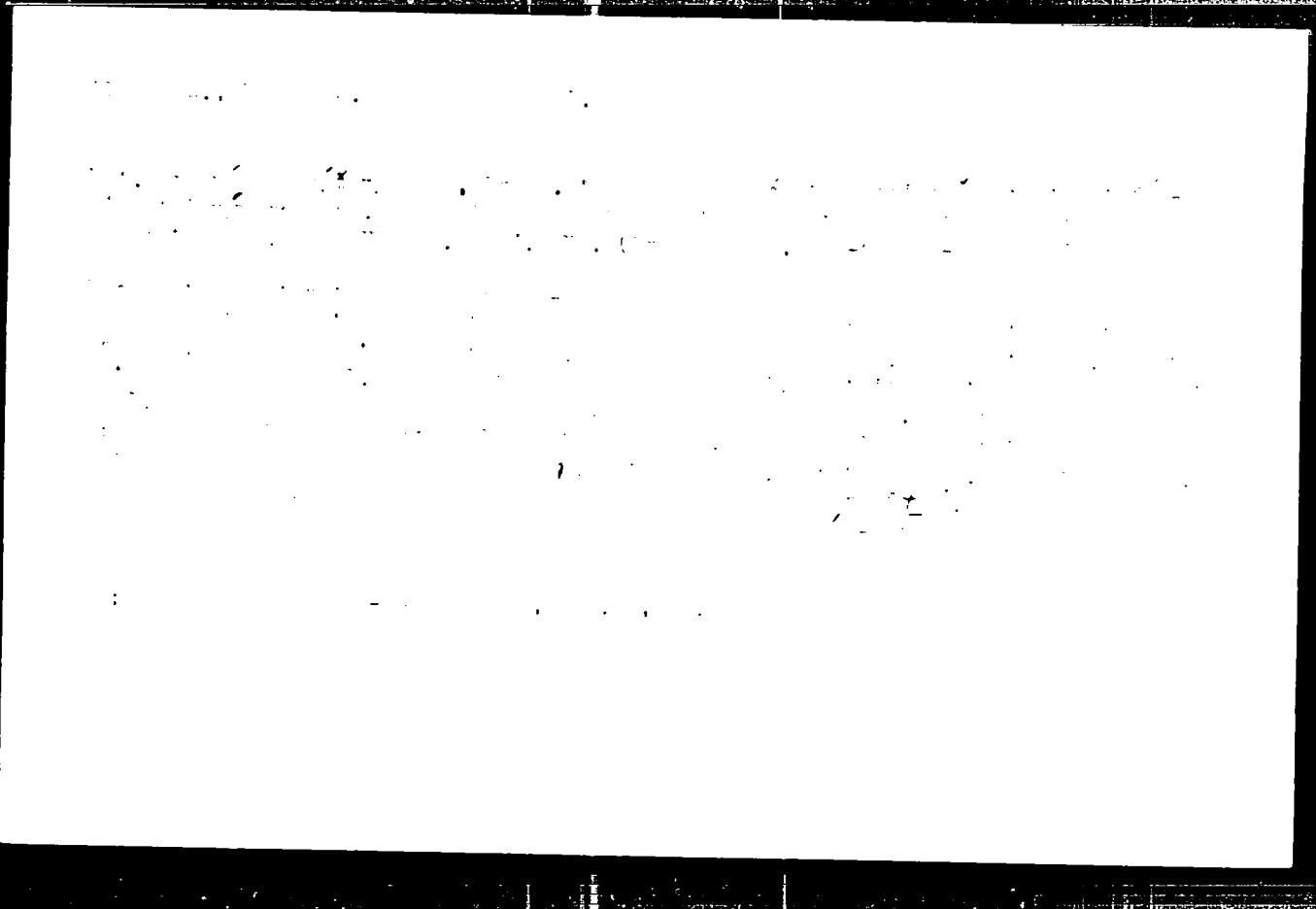
(BLOOD PROTEINS,  
mucoproteins, eff. of hepatectomy (Cz))  
(LIVER, eff. of excis.  
on blood mucoproteins (Cz))

HORKY, J.; PLACER, Z.

Changes in peptidolytic activity after traumatic stimuli in rats. Cas. lek. cesk. 97 no.40:1257-1259 3 Oct 58.

1. Ustav pro vyzkum lidu, Praha-Krc, prezenata doc. dr. J. Masek.  
(WOUNDS AND INJURIES, exper.  
eff. on blood: antidiarrheal levels in rats (Pol))  
(PROTEASES, in blood  
Dantolase, eff. of exper. inj. in rat (Pol))

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001341



APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0013411

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001341

the following day, he was sent to the office of the  
federal marshal, Robert C. Jones, et al., to be examined  
for his knowledge of the secret of the gunpowder  
explosion.

3. The next time you are at a social gathering, make a point of talking to someone you don't know.

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0013411

Analyses of the proteins found in different phases of  
maturation. J. V. Poláček and Z. Pánek. Škodov Pečivový-  
vodík, Praha, Voj. (Prague) 7, 399-400 (1957); Kacperki Acta  
Sci. 11, 9, 1070-1 (1954).—Some relationships between total  
proteins, dismethyl amine, and peptone were observed. Cephalo-  
mycotic titration according to Brock (C.A. 48, 6048c) was  
used for studying the protein content of the juice.

R. D. H.

PLACKER, Z.; SLABOCHOVA, Z.

Comparison of certain enzymatic systems in normal conditions and  
in obesity. Cesk. fysiol. 9 no. 3:257 My '60.

1. Ustav pro výzkum výživu lidu, Praha  
(ENZYMES metab.)  
(OBESITY metab.)

SLABOCHOVA, Z.; PLACER, Z.

Esterase activity of the serum during the course of prolonged hypothermia. Cesk.fysiol. 9 no.3:263-264 My '60.

1. Ustav pro vyzkum vyzivu lidu, Praha  
(HYPOTHERMIA INDUCED exper)  
(ESTERASES blood)

PELIKAN, V. PLACER, Z.

Qualitative value of examination of the gastric juice in various  
phases of secretion. Sborn. pathofysiol. trav. vys. 7 no.5-6:  
330-340. Nov 1953. (CIL 25:5)

l. Of the Institute of Research on Nutrition (Head --Decent  
J. Masek, M.D.), Prague.

PLACER, Z., SLABOCHOVA, Z.; ROUBAL, Z.; NOWAK, M.; HOLECKOVA, E.; SEKLA, B.

Serum esterase activity and mucoproteinemia in rats after the  
implantation of Walker 256 tumor. Neoplasma, Bratisl. 7 no.1  
suppl:44-46 '60.

(NEOPLASMS blood)  
(ESTERASES blood)  
(MUCOPROTEINS blood)

PLACER, Z.

Prague, Czechoslovakia

Country: Czechoslovakia

Academic Degrees: /not given/

Affiliation: Institute of Research on Human Nutrition (Ustav pro vyzkum  
vyzivy lidu), Prague; Director (Reditel): Doc MUDr J Hasek

Source: Brno, Vnitri Lekarstvi, Vol VII, No 8, August 1961, pp 926-930

Date: "The Reducing Diet from the Point of View of Metabolic  
Adaptation."

Authors:

SLABOCHQVA, Z  
PLACER, Z

332

MASEK, J.; SLABOCHOVA, Z.; PLACER, Z.

Contribution to the problem of prevention and therapy of obesity.  
Cas.lek.cesk 100 no.22:681-686 2 Je '61.

1. Ustav pro výzkum výživy lidu, Praha, reditel doc. MUDr. J. Masek.

(OBESITY)

PELIKAN, Vl., Doc., MUDr.; PLACER, Zd., Dr.

Proteolytic activity of gastric juice. Cas. lek. cesk. 94 no.  
27:742-746 1 July 55.

1. Z lekarske fakulty Palackeho university, Olomouc, a z  
Ustavu pro vyzkum vyzivy lidu, Praha, reditel doc. MUDr.  
J. Masek.

(GASTRIC JUICE,  
proteolytic activity)  
(PROTEASES, determination,  
in gastric juice)

PLACE 2D

Proteolytic activity of gastric juice. VJ. Poláček and Z. Dvořák (Palackého Univ., Olomouc, Czech.). Časopis Československého Českého Času 94, 742-50 (1955).—The proteolytic activity (I) of gastric juice at various pH values was studied by the biuret method of Plescer (C.A. 49, 10040M). Pepsin, cathepsin, and rennin activities are attributed to one enzyme. pH-I curves and free acidities were compared in juices obtained during the reffactory and neurohumoral phase of gastric secretion. Normal type was characterized by higher I (at low pH) and by lower free acidity in the reffactory phase. Various deviations from this pattern are described. Comparatively low I was seen after gastric resection. Max. of I at pH 2.6 instead of at 1.6 was observed in some samples of juice.

J. M. Haib

(1)

PLACER, ZDENEK

Inhibition of amylolytic activity of dextranase from *Aureobasidium* (Ostav výšiv. Rdu, Prague). Václav PLACER, Zdenek ŽDENEK. — A modified method is described based on the reaction in alk. medium with 1% of aldehyde groups liberated by hydrolysis (cf. Balmer and Werner, Biochim Biophys Acta, 80, 211(1963)). Considerable intensity of the hydrolytic cleavage is lowered by carrying the incubation at room temp., thus simplifying the procedure.  
I. J. Uránová

PLAČEK, Z. [Placer, Z.] ; VESELKOVÁ, A. ; SLABOCHOVÁ, Z. [Slabochova, Z.]

Nature of the inhibition of fatty acid oxidation in the animal organism. Vop. pit. 23 no. 130-33 N-D '64.

(MIRA 18:f)

I. Institut pitaniya (dir. - prof. I. Masek [Marek, I.]), Praha,  
Ceskoslovakia.

RATH, R.; PLACER, Z.; SLAVICKOVA, T.; Technicka spoluprace: HIRALDOVA, J.;  
MUNCLINGERCOVA, M.; Statisticka spoluprace: FVOLANKOVA, K., inz.

Body water space. Part 8. Cesk. gastroenter. vyz. 19 n.c.r.: 129-130  
S '65.

.. Ustav pro vyzkum vyzivy lidu v Praze reditel prof. dr.  
J. Masek, DrSc.'

*Placer*  
EXCERPTA MEDICA Sec 5 Vol 12/1 Gen Pathology Jan 59

159. THE ACTION OF GASTRIC MUCUS AND SOME SULPHONATED COMPOUNDS ON THE DEVELOPMENT OF EXPERIMENTAL GASTRIC ULCERS IN RATS - Placer, Z., Rosický, Z. and Vokáč, V. Inst. for Human Nutr., Prague - REV. CZECH. MED. 1958 - 4, 2 (115-124) Graphs 2 Tables 3  
The protective action of gastric mucus as a natural pepsin inhibitor in the development of experimental gastric ulceration evoked by the method of Shay et al. was investigated. The importance of estersulphate links in this inhibitory action was verified and the protective action of certain new synthetic pepsin inhibitors - sulphonated polysaccharide, glycoprotein and heteroside derivatives - was tested. Results: (1) The intragastric administration of a gastric mucus preparation made from hog's stomach mucosae significantly decreased the formation of gastric ulcers. The experimental results of increasing the gastric mucus secretion were equivocal. (2) The significance of pepsin and its inhibitors, particularly gastric mucus, in the development of ulcers was confirmed by experiments where the estersulphate groups of mucus were blocked by the basic protein, protamine, which led to a considerable increase of the total number of ulcers. (3) By artificially increasing the number of ester-sulphate groups in the mucus molecule by sulphonation, the inhibitory power of sulphonated mucus was increased and the number of ulcers in the gastric mucosa was decreased. (4) A number of artificial pepsin inhibitors was prepared by the sulphonation of polysaccharides, glycoproteins and heterosides. In experiments *in vitro* the greatest inhibitory power was exhibited by sulphonated amylose, further by sulphonated tannin and by heparin. (5) Sulphonated amylose, as an effective pepsin inhibitor in experiments where experimental ulcers were evoked by Shay's method, had a significant protective action and effectively prevented the formation of experimental gastric lesions. (6) Sulphonated amylose administered orally is not absorbed from the gastrointestinal tract, its LD<sub>50</sub> = 14,000 mg., it has no adverse secondary effects and its use in the therapy of peptic ulceration in man can be considered particularly in gastric ulcers and in gastritis accompanied by hyposecretion of gastric mucus.

4V-6.01

Plácer, Z.

/ Excretion of nitrogen in feces. J. Peček, M. Divíš,  
Z. Plácer, J. Hála, and B. Kotovská (Ústav pro výzkum  
výžavy lidu, Praha). Sborník pořízení, 1944, vydání  
8, 27-43 (1944).—Examination of 7000 persons (healthy and ill)  
revealed that excretion of N in feces is not constant, even on a  
standard diet and its amount does not depend on the N con-  
tent in food. In: J. Urbašek

PELIKAN, V.; PLACKA, Z.

Examination of gastric secretion without catheterization. Cas. lek.  
Cesk. 92 no. 46:1252-1255 13 Nov 1953. (CML 25:4)

1. Of the Institute of Research on Nutrition (Head--Docent J. Masek,  
M.D.), Prague. 2. Use of PAS.

PLACER, Z.; SLABOCHOVA, Z.; ROUBAL, Z.

Antilipemic action of heparinoids. Rev. Czech. M. 5 no. 3:192-201  
1959.

1. Institute for Human Nutrition, Prague, Director: Doc. J. Masek,  
Research Institute for Pharmacy and Biochemistry, Prague, Director:  
Ing. Dr. O. Nemecek.  
(LIPOPOTIN LIPASE)

KOLDOVSKY, O.; MOSINGER, B.; PLACER, Z.

Peroral effect of insulin in young rats. Cesk. fysiol. 9 no.1:24-25  
Ja 60.

1. Fysiologicky ustanov CSAV a Ustanov pro vyzkum vysivy lidu. Praha.  
(INSULIN, pharmacol.)

PLACER, Z.; SLABOCHOVA, Z.; ROUBAL, Z.

Antilipemic activity of gastric mucus. Cesk. fysiol. 9 no.1:  
44-45 Ja 60.

1. Ustav pro výskum výživy lidu. Výzkumný ustav pro farmacii  
a biochemii, Praha.  
(MUCOPROTEINS, pharmacol.)  
(LIPOPROTEIN LIPASES)

PLACER, Z.

EXCERPTA MEDICA Sec.2 Vol.9/11 Physiology,etc. Nov56

5055. PLACER Z. Ust. pro výzkum výživy lidu, Praha. "Titrační stanovení amylolytické aktivity dvanáctnkové slávy. Determination of amylolytic activity of pancreatic juice by titration VNITR. LÉK. 1955,

1/9 (641-645) Graphs 2 Tables 1

Amylolytic activity can be estimated after oxidation of aldehyde groups by iodine in alkali solution. The excess iodine is titrated with thiosulphate (modification of Willstätter-Schudel's method). The great intensity of hydrolytic splitting in pancreatic juice is lowered by incubation at room temperature.

Placer - Prague

CZECHOSLOVAKIA/Human and Animal Physiology. Digestion.

v

Abs Jour: Ref. Zhur-Biol., No 6, 1958, 26984.

Author : V. Vokac, Z. Placer and Z. Roubal.

Inst :

Title : The Protective Action of Gastric Mucus Against  
Experimental Erosion of the Stomach. II. Natural  
Factors Influencing the Formation of the Lesions.  
III. The Effect of Sulfonate and Guanido Groups  
on the Activity of Pepsin in the Contents of the  
Stomach.

Orig Pub: Českosl. gastroenterol. a výziva, 1957, 11, No 1,  
22-37.

Abstract: A study of the protective action of the gastric  
mucus in rats with erosion resulting from ligation

Card : 1/3

37

CZECHOSLOVAKIA/Human and Animal Physiology. Digestion.

V

Abs Jour : Ref. Zhur-Biol., No 6, 1958, 26984.

of the pylorus showed that the extent of the damage to the mucosa is determined not only by the acidity of the gastric juice and the concentration of pepsin in it. Artificial elevation of the amount of mucus in the stomach by introducing mucus obtained from swine stomachs (12.5 to 50 mg) decreased the extent of the damage. When 50 mg of mucus was given, the extent of the damage was 29, while in the control it was 88.1. Synthetic sulfonation of the gastric mucus from swine reduced the extent of the damage from 29.0 to 5.6 (by 80%). Conversely, protamine blockade of the sulfonate groups of the rats' natural mucus increased the index of damage from 88.1 to 126.7 (by 43%). The protective properties of mucus result

Card. : 2/3

CZECHOSLOVAKIA/Human and Animal Physiology. Digestion.

Abs Jour: Ref. Zhur-Biol., No 6, 1958, 26984.

from the presence in it of the sulfonate groups  
of ether-linked H<sub>2</sub>SO<sub>4</sub>, which reduce the proteolytic  
activity of pepsin.

Card : 3/3

CZECHOSLOVAKIA/Human and Animal Physiology. Digestion.

v

Abs Jour: Ref. Zbir-Biol., No 6, 1958, 26983.

Author : E. Faltova, E. Holeckova and Z. Placer.

Inst :

Title : The Effect of Hunger on the Secretion of Hydrochloric Acid and the Proteolytic Activity of the Glandular Portion of the Rat's Stomach.

Orig Pub: Ceskosl. gastroenterol. a vyziva, 1957, 11, No 2, 142-147.

Abstract: Prolonged hunger (loss of 25 to 30% of body weight) practically did not lower the pH of the gastric juice in rats, but the proteolytic activity of stomach homogenates was considerably reduced, the more so the greater was the damage to the gastric mucosa resulting from hunger. The secretory factors pre-

Card : 1/2

36

KRONDL, A.; VAVRINKOVA, H.; PLACER, Z.; Statisticke shodnoceni: ~~VAVRINKOVA~~,  
~~Smila~~

Role of the concentration of bile acids in the metabolism of fats.  
II. Digestion of fats with different melting points. Cesk. gastroent.  
vyz. 15 no.2:112-116 Mr '61.

1. Ustav pro vyzkum vysivy lidu v Praze, reditel doc. MUDr. Josef  
Masek.

(FATS chem) (BILE ACIDS AND SALTS chem)

PLACER, Z.; SLABOCHOVA, Z.

On the adipose tissue. Introduction. *Cesk. gastroent. vyz.* 15 no.2:  
81-82 Mr '61.

1. Ustav pro výskum výživy lidu, Praha, reditel doc. MUDr. J. Masek.

(ADIPOSE TISSUE)

PLAKER, Z.; SLABOCHOVA, Z.; MASEK, J.; HAVLOVA, M.; Technicka spoluprace  
HRADILLOVA, L.; ROUCKOVA, O.

On the adipose tissue. I. Composition of 3 types of adipose tissue  
in rats. Cesk. gastroent. vyz. 15 no.2:83-88 Mr '61.

1. Ustav pro vyzkum vyzivy lidu, Praha, reditel doc. MUDr. J. Masek.

(ADIPOSE TISSUE chem)

PLACER, Z.; SLABOCHOVA, Z.; Technicka spoluprace ROUCKOVA, O.; HRADILLOVA, L.

On the adipose tissue. II. Changes in the composition of the adipose tissue in starvation. Cesk. gastroent. vyz. 15 no.2:89-94 Mr '61.

1. Ustav pro vyzkum vyzivy lidu, Praha, reditel doc. MUDr. Josef Masek.

(ADIPOSE TISSUE chem) (STARVATION exper)

SLABOCHOVA, Z.; HAVLOVA, M.; PLACER, Z.

Metabolic studies in obesity. IV. Glycemia and glycemic curves  
in obesity. Cesk. gastroent. vyz. 15 no.1:44-48 F '61.

1. Ustav pro vyzkum lidu, Praha, reditel doc. MUDr. J. Masek.  
(OBESITY blood) (BLOOD SUGAR chemistry)

Pláyer, Zdeněk.

Pláyer, Zdeněk, Czechoslovakian chemist of pre-  
vious entry of party John, Scott Place (Under  
cover name, Prague), Czechoslovakia, address 9,  
Smetanova 1, c. C.A. 20 10000. A man believed to be  
involved based on the presence of reduced Cu compounds  
in samples. Identification of the individual is not  
possible due to a Cu-Cu amalgam. A ratio of about 1:  
1.75 could be measured at 30° with respect  
to 1 min. Add. of a basic copper sulphate, of 0.2M  
CuSO<sub>4</sub>, and 0.2M NaCl, and precipitation results in  
a white and brown-Cu amalgam. The intensity of white is  
proportional to the amount of the reduced hydroxide products  
and decreased sharply to a minimum at 500 sec (green film).  
The maximum product remains after 1000 sec and does not  
change.

L. J. Ullman

PLACER, Z.; ROUBAL, Z.; VOKAC, V.

The action of gastric mucus and some sulphonated compounds on the development of experimental gastric ulcers in rats. Rev. Czech. M. 4 no.2: 111-124 1958.

1. Institute for Human Nutrition, Prague, Director: Doc. J. Misek,  
Research Institute for Pharmacy and Biochemistry, Prague. Director:  
Dr. Ing. Nemecek.

(PEPTIC ULCER, experimental,  
eff. of gastric mucus & sulfonated cpds.)  
(GASTRIC MUCIN, effects,  
on exper. gastric ulcer develop.)  
SULFATES, effects,  
sulfonated cpds., on exper. gastric ulcer)

PAV, Jaroslav; PLACER, Zdenek; ROUBAL, Zdenek

Human blood esterase activity after heparin administration. I. Hydrolysis of various fatty acid esters. Cas. lek. cesk. '57 no.20:620-625 16 May 58.

1. Ustav pro vyzkum vyzivy lidu, Praha, reditel doc. dr. J. Musek,  
Vyzkumný ustav pro farmacii a biochemii, Praha, reditel Ing. dr.  
O. Neček. J. P., Praha-Krč, Rudejovická 800.

(ESTERASES, in blood

hydrolysis of fatty acid esters, eff. of heparin (Cz))  
(HEPARIN, eff.

on blood esterase hydrolysis of fatty acid esters (Cz))  
(FATTY ACIDS, meth.)

hydrolysis of fatty acid esters by blood esterases, eff.  
of heparin (Cz))

PLACER, Zdenek, Dr.

Digestive enzymes. V. Colorimetric determination of proteolytic activity of gastric juice. Česk. gastroenter. 2 no. 2: 20-23.  
Sept 55.

1. Ustav pro výzkum výživy IIA, Praha. Režisér doc. Dr. J. Mařek.  
(GASTRIC JUICE,  
proteases, colorimetry)  
(PROTEASES,determ.  
in gastric juice, colorimetry)  
(COLORIMETRY,  
of proteases in gastric juice)

PLACKER, Zdenek, Dr.

Determination of amylolytical activity of duodenal juice by titration. Uintr. lek., Brno 1 no.9:641-645 Sept 55.

1. Ustav pro výskum výživy lidu, Praha. Prednosta doc. MUDr. J. Masek, Praha, Krc. Budejovicka 800/B). Ustav pro výskum výživy.

(DUODENAL JUICE  
amylolytic activity determ. by titration.)

VITKOWSKY, Zdenek, MUDr.; VISLOCKY, Boris, MUDr.; VULTERINOVA, Marie, MUDr.;  
PLACER, Zdenek, RMDr.

Incomplete pancreatic fistula following gastrectomy. Cesk.  
gastroenter. 9 no.4:250-280 Dec 55.

1. Ustav pro klinickou a experimentální chirurgii, Praha, ředitel  
doc. MUDr. B. Spacek Ustav pro výzkum výživy lidu, Praha, ředitel  
doc. MUDr. J. Masek.

(PANCREAS, fistula,  
incomplete, postgastrectomy)  
(FISTULA,

pancreas, incomplete, postgastrectomy)  
(STOMACH, surgery,  
postop. pancreatic fistula, incomplete.)

PLACER, Zdenek Dr.

Digestive enzymes. Sborn. patofysiol. trav. vyz. P no. 11160-164  
Aug 54.

1. Ustav pro výzkum výzivy lidu, Praha (ředitel doc. MUDr J. Marek)  
(ENZYMES)

(digestive, method of pepsin determ.)  
(PEPSINS, determination)

(in gastric juice, method)  
(GASTRIC JUICE)

(pepsin determ., method)

PLACER, ZDENEK, Dr

PLACER, Zdenek, Dr

Digestive enzymes. Sborn. patofysiol. trav. vys. 8 no.2:68-79  
My '54.

1. Ustav pro výzkum výživy lidu, Praha. Ředitel doc. MUDr J. Masák.  
(~~ENZYME~~,  
\*digestive)

PLACHECKA-GUTOWSKA, Maria; MUSIAL, Włodzimierz, Łódź, ul. Sterlinga, 1

Use of some cytochemical and cytoenzymatic methods in cellular diagnosis of acute leukemias. Polskie arch. med. wewn. 24 no. 6:  
1045-1053 1954.

l. Z II kliniki chorob wewn. Akad. Med. w Łodzi; kierownik:  
prof. dr. med. J.Jakubowski  
(LEUKEMIA, diagnosis  
cellular, evaluation of cytochem. & cytoenzymatic  
methods)

PLACER, ZDENEK

Digestive enzymes. I. Iodometric estimation of the activity of pancreatic amylase. Zdenek Placer (Ústav výzkumu výroby látka, Prague). *Starch Pathology*, 1959

*ibid.* 8, 65-72 (1956).—A method based on Ronijn's oxidative est. of iodases is introduced (Wittlinger and Schutte, C.A. 48, 400). Aldehyde groups set free by the enzymatic hydrolysis of starch reduce added alk. soln. of I<sub>2</sub> to I<sup>-</sup>. Excess of I<sub>2</sub> is then dealt with thiosulfate. Results obtained in healthy and sick individuals are presented. II. Colorimetric estimation of the proteolytic enzyme activity studied after oxidation of a casein-containing substrate. *Ibid.* 72-6.—A new method is given based on the difference in color of native and digested caseinous suspension of casein substrate after oxidation with ferricyanide in alk. soln. III. Colorimetric estimation of proteolytic enzyme activity of pancreatic juice by means of copper complexes. *Ibid.* 76-9.—A method is given using dried milk as substrate which is based on the formation of intensely colored complexes of sol. bivalent Cu cations with amino groups which are set free by enzymatic hydrolysis. IV. Estimation of rough proteolytic activity w/ gastric juice. *Ibid.* 160-4.—Dyeing of digested dried milk used as substrate with methylene blue facilitates a precise determination of time needed for pptn. of casein by hydrolytic action. The rate of pptn. is in direct proportion to the enzyme concn. at const. temp.

L. J. Urbánek

PL 105-570-1

Category: Serbia. Diseases Caused by Bacteria and Fungi.

Abs Jour: Ref Zhur-Biologiya, No 16, 1957, 72274

Author : Placeriano S.

Inst : Not given

Title : The Clinical Picture of Leptospiral Disease in Horses.

Orig Pub: Veterin. Glasnik, 1957, 10, No 1, 14-17

**Abstract:** The epizootiology and clinical picture of leptospirosis was observed in five horses. High fever, light sensitivity, sleepiness, and yellowing of the conjunctiva were observed. In two horses changes in the eyes were noted, similar to those in periodic ophthalmia. In all horses the diagnosis was established serologically (agglutination-lysis reaction), and in one case *L. pomona* was found in the blood. All of the horses recovered. Penicillin treatment, evidently, speeded up the animals' recovery.

Card : 1/1

DAHN, . . .; MICHALOVÁ, . . .; ŠTĚPÁK, . . .; VÍKA, . . .; VAVROVÁ, . . .; VÍČKOVÁ, . . .  
Technical assistance in the field of . . .  
Technical assistance in the field of . . .

Diffusing capacity of the lungs and its components in interstitial  
pulmonary fibrosis during adolescence. Rev. zent. med. vzd. 1980-1981, 145.

• The Institute of Pulmonary Diseases, Faculty of Medicine,  
Medical Faculty of Charles University, Prague, Czechoslovakia,  
Institute of Experimental Pathology, the First Faculty of Medicine,  
Charles University, Prague, Czechoslovakia, and Research Institute of Pulmonary Diseases, Prague, Czechoslovakia.  
Bartek, J., Horásek, M., . . ., . . .

KOM, J., Frakha-Krc, Jindrovicka ROM; ANITA, M.; RUDIK, J., T. Vojtka  
Spoluautorky: MACHANCOVA, A.; PIATRA, B.; HORBAVY, J.

Diffusion capacity of the lung in patients with uremia. K. Kom.  
Cesk. 104 no. 4 1985-1290. 16 N 1985.

... Vyukovny zdrav. experimentální terapie v ČSSR. Režiséřem je  
dr. J. Crále, rSc. a M. interní kliniky fakultní nemocnice v  
Lekarské Univerzitě v Praze prednáška ref. dr. F.  
Hruška. Submitted April 1985.

DAUM, S.; MIKULYK, L.; STIKSA, J.; VUKA, T.; VAVROVA, V.; HUTKOVSKA, ...  
Technicka spoluprace: MACHANVA, A.; PLAHA, B.; VEBAL, R., ...

Diffusion capacity of the lungs and its components in interstitial pulmonary fibrosis in adolescents. Cas. lek. Cesk. 104, 104, 1366-1371 10 1965.

I. Vyzkumny stav experimentální terapie v fazce resekce, dr. C. Smákal, DrSc. a stav výzkumu vývoje dítěte v fazce reditál prof. dr. J. Houštek, DrSc. .

POLAND

PLACHCINSKA, Janina; Virological Department,  
In Warsaw (head: Dr. hab. J. M. KANTOROWICZ)  
State Institute of Hygiene

"Studies of Hemagglutination and Protective Infection with Influenza A<sub>2</sub> and B Viruses"

Warsaw, Przeglada Lekarska i Farmaceutyczna, Vol. 17, No. 2, 1964, pp. 131-135.

Abstract: with the use of heat-killed English emuaries, modified, mice were infected intranasally with A<sub>2</sub> Formosa virus. The virus could be found in all organs, especially in the lungs, and in the blood and peritoneal fluid. The course of A<sub>2</sub> virus multiplication in lungs (pp. 31m) showed that at 1st, virus, mice infected intraperitoneally with A<sub>2</sub> virus and then infected intranasally with PP<sup>3</sup> virus showed the same mortality rate as control group. With the reverse procedure (intraperitoneal injection of PP<sup>3</sup> virus, then intranasal infection with A<sub>2</sub> virus) a protective effect was observed when the two viruses were administered at 4-6 day intervals. R.S. - 5 and five Western references.

1.

PLACHCILSKA, Janina

Evaluation of efficiency of typhoid vaccination. Przegl.  
epidem., Warsz. 10 no.4:313-318 1956.

1. w Zakładu Epidemiologii A.M. w Warszawie Kierownik:  
prof. dr. F. Przesmycki.

(TYPHOID FEVER, immunol.

alcoholized Felix vaccine bact. vaccine, endotoxic  
precipitated vaccine & TAB, comparison in mice (Pol))

KOSTREWSKI, Jan; PLACHCINSKA, Janina; GRUZEWSKI, Aleksander

Evaluation of vaccines and of the effectiveness of vaccinations against typhoid fever. II. Evaluation of the immunogenic capacity of K, N, P, S, T vaccines by an active test on mice infected with *S. typhi* with zymosan. Przegl. epidem. 17 no. 1/2:71-80 '63.

1. Z Zakladu Epidemiologii Panstwowego Zakladu Higieny i Z Zakladu Epidemiologii AM w Warszawie.  
(TYPHOID-PARATYPHOID VACCINES ( ZYMOSEN )

PLATE NUMBER, JAPANESE

Japan  
aristide  
International  
12. 12.

PLACHCINSKA, Janina

Attempt to replace animal mucin with linseed extract in experimental  
Salmonella typhi infection in mice. Przegl. epidem., Warsz. 10 no.4:  
319-323 1956.

l. Z Zakladu Epidemiologii A.M. w Warszawie. Kierownik: prof.  
dr. F. Przesmycki.

(SALMONELLA INFECTIONS, exper.

typhi, eff. of linseed extract, comparison with mucin  
in mice (Pol))

(MUCIN, eff.

on exper. Salmonella typhi infect. in mice, comparison  
with linseed extract (Pol))

(PLANTS, extracts

linseed, eff. on exper. Salmonella typhi infect. in  
mice, comparison with mucin (Pol))

KOSTRZEWSKI, Jan; PLACHECKA, Janina; LADOSZ, Jadwiga; RZUCIDŁO, Ludwik

Preliminary studies on the standardization of an active test on mice immunized with typhoid endotoxin and infected with S. typhi. Przegi. epidem. 15 no.3:295-309 '61.

1. Z Zakladu Epidemiologii Państwowego Zakladu Higieny i z Centralnego Laboratorium Zjednoczenia Wytworni Surowic i Szczepionek w Warszawie.  
(TYPHOID immunol)

FLUORIMETRY, Janira

Detection of influenza virus in tissue culture by immunofluorescence. Med. Microbiol. Immunol. 177: 147-151.

.. 1. Falkland virus (1972) and swine influenza virus (1972).

Subject : USSR/Chemistry

AID P - 2277

Card 1/1 Pub. 152 - 3/21

Author : Plachenov, T. G.

Title : Developing new apparatus for measuring pores in order to study the structure of porous substances by the method of impregnation with mercury

Periodical: Zhur. prikl. khim., 28, no.3, 245-253, 1955

Abstract : Several apparatus for measuring pores are described. Three apparatus seem to be suitable for measuring pores and for determination of the specific surface of solids o (with effective radii of 100 to 55,000 Å, 40 to 55,000 Å, and 15 to 55,000 Å ).

Institution: Leningrad Technological Institute (im. Lensoviet)

Submitted : Je 22, 1953

PLACHECKA, M.; SZAJEWSKI, J.; WYSOCKA, L.; z techniczną współpracą  
Instytutu Kardiologii i Endokrynologii im. M. Osłowskiej.

Posttransfusional complications based on material of the  
Internal Disease Clinic of Warsaw. Polskie arch. med. wewn.  
26 no.12:1819-1823 1956.

1. Z I Kliniki Chorob Wewnętrznych A.M. w Warszawie Kierownik:  
prof. dr. nauk med. A. Biernacki. Warszawa, ul. Nowogrodzka 59.  
I Klinika Chorob Wewnętrznych A.M.  
(BLOOD TRANSFUSION, compl.  
in internal dise., statist. (Pol))  
(MEDICINE, INTERNAL, statist.  
posttransfusional compl. (Pol))

EXCERPTA MEDICA Sec. 6 Vol. 11/12 Dec. 57

PLACHECKA-GUTOWSKA 41

7265 PLACHECKA-GUTOWSKA M. Inst. Naukowego Kult. Fizycznej, Klin. Zdrowego Człowieka, I Klin. Chor. Wewn. A. M., Warszawa. Poziom hemoglobiny i liczba krwinek czerwonych u sportowców. Haemoglobin level and the number of erythrocytes in sportsmen POL. ARCH. MED. WEW. NET. 1957, 27/1 (67-74) Graphs 8 Tables 1

In 190 sportamen of the national cadre (154 men and 36 women) the haemoglobin level and the number of erythrocytes were determined. The average level of haemoglobin for men was 13.14 g.%; for women 12.12 g.%. the average number of erythrocytes is for men 4,113,000 and for women 3,745,000.